

probable error of 0.033. The correlation is only about half its probable error and consequently no significance at all can be attached to it. Clearly, therefore, *there is no modification of the width of the band dependent upon the size of the twig upon which it is formed.*

Of course this conclusion applies only to the present series of data; further measurements might yield different results. Dr. von Schrenk's series of measurements somewhat exceeds 400, however, and this may be regarded as a fairly satisfactory number for the solution of the second of the two problems. The first still remains for solution and collections of data towards this end ought to be made.

COLEOPTERA TAKEN AT FRAMINGHAM, MASS.

C. A. FROST.

THE following species of Coleoptera have been taken during the past four seasons in this locality and some of them at least have never been recorded from New England.

Cicindela purpurca, var. *audubonii*, Lec. One ♀ specimen, Sept. 4, 1904. This has been recorded once before in PSYCHE, but it has recently been critically examined and compared with western *audubonii* by Mr. Edw. D. Harris who considers its capture in Mass. remarkable.

Elaphrus cicatricosus, Lec. One specimen, May 10, 1907, taken near a small brook when this was flooded by water from a cranberry bog. (One specimen of this species was taken at Monmouth, Maine, on lake shore during June, 1906.)

Elaphrus clairvillei, Kirby. Four specimens taken in the muddy bed of a dried up brook, Sept. 6, 1907.

Lachnocrepis parallelus, Say, and *Anatrichis minuta*, Dej. Mr. Frederick Blanchard, who identified them, writes me that he has one specimen of the former from Lowell, Mass., and a single specimen of the latter from Florida.

Acilius fraternus, Harr. Four specimens; *Acilius semisulcatus*, Aubé being the common species here. One specimen of *A. mediatas*, Say has been taken, Aug. 25, 1907.

Limonium stigma, Hbst. Two specimens, June 8, 1907, and May 27, 1908.

Agrilus blanchardi, Horn. One specimen, July 27, 1907. Probably this species is mixed with *A. anxius*, Gory in collections.

Strangalia famelica, Newm. A small female, July 28, 1907.

Typocerus lugubris, Say. June 20, 1908.

Elytroleptus floridanus, Lec. This many-times recorded species is found here in numbers at times on the leaves of the red oak about the first week in June. Also taken in Middlesex Fell Reservation.

Leptura rubrica, Say. Bred from dead chestnut, June.

Cryptocephalus incertus, Oliv. Several specimens swept from Cranberry vines, Sept. 21, 1907.

Macrobasis torsa, Lec. Described from Texas, was taken first on June 17, 1904, and again on June 13 and 20, 1908, feeding on the black alder, *Prinos verticillata*. This species was determined for me by Prof. Fall, Pasadena, Cal. It was taken rather incidentally because of the numbers of small flies that were annoying the beetles while feeding. I supposed that it was *Macrobasis unicolor* and took a number to keep with the diptera for reference. Last season (1908) I found the flies still present with the beetles and also made the discovery that the majority of the beetles were not *torsa* but *unicolor*. In 1904 there must have been more of the former, since nearly or quite all taken were *torsa*. *M. unicolor* is generally found feeding on *Baptisia tinctoria*, in Mass., but I have taken it in numbers at Wales, Maine, feeding on the Clematis and among them found a single specimen of *Epicauta cinerea*, Forst.

I also wish to record the occurrence of *Stromatium pubescens* Hald., at Bedford, Mass. two specimens of which have been taken by L. W. Swett at light.